



- 1 -

Handwritten notes: #4, 105, 41813, 125

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

HERMAN HERMAN ET AL.

Serial No.: 10/080,834

Filed: February 22, 2002

Group Art Unit: 2873

PANORAMIC MIRROR AND
SYSTEM FOR PRODUCING
ENHANCED PANORAMIC
IMAGES

Attorney Docket No. TELE 49874

TECHNOLOGY CENTER 2800

MAY 24 2002

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INFORMATION DISCLOSURE STATEMENT

May 17, 2002

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Pursuant to the provisions of 37 CFR Sections 1.56, 1.97 and 1.98,
Applicants submit herewith copies of the references cited on the attached Forms
PTO/SB/08A and PTO/SB/08B for consideration during prosecution of this application.

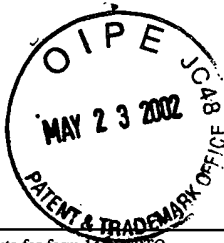
This Statement is filed solely for the purpose of complying with the
pertinent rules of the Office and is not intended to be a substitute for an independent
evaluation by the Examiner of the art cited or an independent search by the Examiner,
and no representation of any nature is made or intended by the filing of this Statement.

French Patent No. FR1234341 appears to show a camera using a curved
reflective surface.

Respectfully submitted,

Timothy D. Broms
Registration No. 50,123
Pietragallo, Bosick & Gordon
One Oxford Centre, 38th Floor
301 Grant Street
Pittsburgh, PA 15219
Attorney for Applicants

(412) 263-4389



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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE



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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/080,834
				Filing Date	2/22/02
				First Named Inventor	Herman Herman
				Group Art Unit	2873
Sheet	2	of	2	Examiner Name	
				Attorney Docket Number	TELE 49074

U.S. PATENT DOCUMENTS						
Examiner Initials [*]	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		Publication No. 2001/0010555		Driscoll, Jr.	08-02-2001	
		Publication No. 2001/0015751		Geng	08-23-2001	
		Publication No. 2002/0006000		Kumata et al.	01-17-2002	

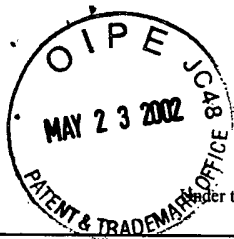
FOREIGN PATENT DOCUMENTS								
Examiner Initials [*]	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				

Examiner Signature		Date Considered	
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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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				Application Number	10/080,834
				Filing Date	2/22/02
				First Named Inventor	Herman Herman
				Group Art Unit	2873
				Examiner Name	
Sheet	1	of	1	Attorney Docket Number	TELE 49074

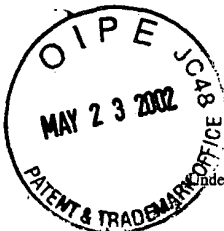
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		R. A. HICKS ET AL., "Catadioptric Sensors That Approximate Wide-Angle Perspective Projections," Drexel University and National Science Foundation, pp 1-7.	
		J. S. CHAHL ET AL., "Reflective Surfaces for Panoramic Imaging," <i>Applied Optics</i> , Vol. 36, No. 31, November 1, 1997, pp. 8275-8285.	
		M. OLLIS ET AL., "Analysis and Design of Panoramic Stereo Vision Using Equi-Angular Pixel Cameras," The Robotics Institute, Carnegie Mellon University, CMU-RI-TR-99-04, January 1999, pp. 1-43.	

Examiner Signature		Date Considered	
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				Group Art Unit	2873
Examiner Name					
Sheet	1	of	2	Attorney Docket Number	TELE 49074

U.S. PATENT DOCUMENTS						
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		Number	Kind Code ² (if known)			
		994,935		Kleinschmidt	06-13-1911	
		3,846,809		Pinzone et al.	11-05-1974	
		4,429,957		King	02-07-1984	
		Des. 312,263		Charles	11-20-1990	
		5,115,266		Troje	05-19-1992	
		5,790,181		Chahl et al.	08-04-1998	
		5,920,376		Bruckstein et al.	07-06-1999	
		6,118,474		Nayar	09-12-2000	
		6,157,018		Ishiguro et al.	12-05-2000	
		6,175,454		Hoogland et al.	01-16-2001	
		6,222,683		Hoogland et al.	04-24-2001	
		6,304,285		Geng	10-16-2001	
		6,313,865		Driscoll, Jr. et al.	11-06-2001	
		6,333,826		Charles	12-25-2001	

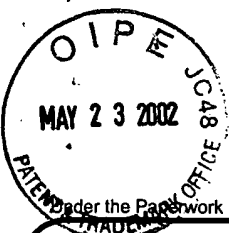
FOREIGN PATENT DOCUMENTS								
Examiner Initials ¹	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
		FR	1234341		Baltes	10-17-1960		

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2873

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/080,834
	Filing Date	02/22/2002
	First Named Inventor	Herman Herman
	Group Art Unit	2873
	Examiner Name	
Total Number of Pages in This Submission	Attorney Docket Number	TELE 49074

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Remarks		

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Firm or Individual name	Timothy D. Broms Pietragallo, Bosick & Gordon
Signature	
Date	05/17/2002

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